PATENT COOPERATION TREATY

From the	ONAL SEARCH	ING AUTH	ORITY				
To: RICHARD J. LONG CHARM SCIENCES, INC.				PCT			
659 ANDOVER STREET LAWRENCE, MA 01843-1032				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
					(PCT Rule 43bis.1)		
				Date of mailing (day/month/year)	27 APR 2005		
Applicant's or agent's file reference				FOR FURTHER ACTION See paragraph 2 below			
International	33 I application No		International filing date	 (dav/month/vear)	Priority date (day/month/year)		
PCT/US04/37220		05 November 2004 (05.1					
International	International Patent Classification (IPC) or both national classification and IPC						
IPC(7): C12	N 5/00; C12M 1	1/34; C12Q 1	/02, 1/18, 1/24 and US Cl.	: 435/29, 30, 32, 287	.6, 375		
Applicant							
CHARM SC	CIENCES, INC.						
1. This opi	inion contains ir	ndications rel	ating to the following item	s:			
	Box No. I Basis of the opinion						
	Box No. II Priority						
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
	Box No. IV	Lack of uni	ty of invention				
	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
🔲 '	Box No. VI	Certain doc	uments cited				
	Box No. VII	Certain defe	ects in the international app	plication			
י 🗌 ו	Box No. VIII Certain observations on the international application						
2. FURTI	HER ACTIO	N					
Internat Authori	ional Prelimina ty other than thi	ry Examinin is one to be t	g Authority ("IPEA") ex	cept that this does IPEA has notified the	be considered to be a written opinion of the not apply where the applicant chooses an e International Bureau under Rule 66.1 bis(b) ered.		
IPEA a of Form	written reply to PCT/ISA/220 o	gether, where or before the	e appropriate, with amend expiration of 22 months fro	ments, before the exp	EA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.		
For furt	her options, see	Form PCT/IS	SA/220.				
3. For furth	her details, see r	notes to Form	PCT/ISA/220.				
Name and m	ailing address o	f the ISA/ US	5	Authorized office			
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Commissioner for Patents P.O. Box 1450				1 toke			
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Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/37220

Box No	Box No. I Basis of this opinion					
1. With r was fi	egard to the language, this opinion has been established on the basis of the international application in the language in which it led, unless otherwise indicated under this item.					
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).					
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
a.	type of material					
	a sequence listing					
	table(s) related to the sequence listing					
b.	format of material					
	in written format					
	in computer readable form					
c.	time of filing/furnishing					
	contained in international application as filed.					
	filed together with the international application in computer readable form.					
	furnished subsequently to this Authority for the purposes of search.					
	Immission subsequently to the framework perfects of the first subsequently to the framework perfects of the first subsequently to the framework perfects of the first subsequently to the first subsequently the first subsequently to the first subsequently to the first subsequently the first subsequently to the first subsequently the first subsequently to the first subsequently the f					
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.					
4. Additi	onal comments:					
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/37220

Statement		
Novelty (N)	Claims 1-66	YE
, ,	Claims NONE	
(S)	Claims 1-66	YE
Inventive step (IS)	Claims 1-66 Claims NONE	
	Oldinio <u>Horio</u>	
Industrial applicability(IA)	Claims 1-66	
	Claims NONE	NC
Citations and explanations:		
aimed beta lactam receptor from B. stearothermo	e 33(2)-(3), because the prior art does not teach or fa philus to selectively reduce inhibitory activity of ant	irly suggest the presently ibiotics in an assay to
termine the presence of antibiotics in order	to adjust the sensitivity of the assay.	